BRUHAT BENGALURU MAHANAGARA PALIKE

Name of work:- Comprehensive development of roads and drains at Aditya nagara, Chikkabettahalli, jyothinagara, munishamappa layout and Judicial layout in ward no 03 & 04 of Yelahanka division (Package No-05)

ABSTRACT ESTIMATE

SL. No	Description of Itmes	Unit	No	L(m)	B(m)	D(m)	Qty	Rate	Amount in Rs
1	KSRRB M200-12.2. **Dismantling of existing structures** like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. Page No. 139/ Item No. 18.18/ PWD SR 2018-19								
		Cum							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						0.00		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						0.00		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						78.84		
							78.84	672.55	53,023.75
	Basic Rate	557.00							
	Loading & Unloading	57.00							
	Add for Lead of earth (1.28 Tonne/ Cum) 8km	20.48							
	Area Weightage @ 6 %	38.07							
	Total Rate	672.55							
2	**Removing and refixing** stone slabs of drains and pointing in CM (1:3) Page No. 27/ Item No. 5.33/ PWD SR 2018-19								
		Cum							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						0.00		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						0.00		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						2962.56		
							2962.56	111.30	329,732.93
	Basic Rate	105.00							
	Area Weightage @ 6 %	6.30							
	Total Rate	111.30							
3	Removing and refixing of **kerb stones** Page No. 270/ Item No. 37.57/ PWD SR 2018-19								
		m							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						0.00		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						0.00		

ABSTRACT ESTIMATE

SL. No	Description of Itmes	Unit	No	L(m)	B(m)	D(m)	Qty	Rate	Amount in Rs
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						2530.52		
							2530.52	**104.94**	**265,552.77**
	Basic Rate	99.00							
	Area Weightage @ 6 %	5.94							
	Total Rate	104.94							
4	KSRB 14.6-1: Providing and laying **heavy duty cobble stones** 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS. (P.No. 103, I.No. 14.6 of CSR 2018-19)								
		Sqm							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						0.00		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						0.00		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						268.60		
							268.60	**1116.18**	**299,805.95**
	Basic Rate	1053.00							
	Area Weightage @ 6 %	63.18							
	Total Rate	1116.18							
5	KSRRB 300-3. **Earthwork excavation** by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 143/ Item No. 19.1/ PWD SR 2018-19								
		Cum							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						1040.84		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						1411.82		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						2182.38		
							4635.05	**219.93**	**1,019,380.21**
	Basic Rate	130.00							
	Loading & Unloading	57.00							
	Add for Lead of earth (1.28 Tonne/ Cum) 8km	20.48							
	Area Weightage @ 6 %	12.45							
	Total Rate	219.93							

ABSTRACT ESTIMATE

SL. No	Description of Itmes	Unit	No	L(m)	B(m)	D(m)	Qty	Rate	Amount in Rs
6	KSRB 2.8 : Providing and **Filling in foundation with granite / trap** broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS 2.10.2 KPWD S.R 2018-19 Page No. 7 I.No. 2.15								
		Cum							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						4.15		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						6.44		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division								
							10.60	2574.74	27,285.81
	Basic Rate	2429.00							
	Area Weightage @ 6 %	145.74							
	Total Rate	2574.74							
7	Providing Nominal **40mm size** stone aggrigates (Page no II, SI NO.25)Code NO.0750								
		Cum							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						4.15		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						6.44		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division								
							10.60	1091.43	11,566.43
	Basic Rate	1091.43							
	Total Rate	1091.43							
8	Providing Nominal **20mm size** stone aggrigates (Page no II, SI NO.28) Code NO.0749								
		Cum							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						4.15		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						6.44		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division								
							10.60	1091.43	11,566.43
	Basic Rate	1091.43							
	Total Rate	1091.43							

ABSTRACT ESTIMATE

SL. No	Description of Itmes	Unit	No	L(m)	B(m)	D(m)	Qty	Rate	Amount in Rs
9	KSRB 7.9 : Providing And fixing **ms grill** work for windows and ventilators using ms flats or ms square rods or combination of ms flats and square rods as per approved design drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer cost of materials fixtures, labours, and complete as per specifications page no.34 item no.7.9								
		Kgs							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						370.44		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						574.56		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division								
							945.00	**100.70**	**95,161.50**
	Basic Rate	95.00							
	Area Weightage @ 6 %	5.70							
	Total Rate	100.70							
10	KSRRB M2900-1. **Plain cement concrete 1:3:6** mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing complete as per specifications MORTH Specification No. 408 KPWD S.R 2018-19 Page No. 254 I.No. 34.1								
		Cum							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						136.14		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						186.41		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						28.12		
							350.67	**4479.56**	**1,570,853.76**
	Basic Rate	4226.00							
	Area Weightage @ 6 %	253.56							
	Total Rate	4479.56							
11	Providing and laying plain/reinforced cement concrete for side drains using **M20** nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.**Wall & bottom thickness 15cm** KPWD S.R 2018-19 Page No. 271 I.No. 37.59.2								
		Cum							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						300.42		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						357.55		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						53.68		

ABSTRACT ESTIMATE

SL. No	Description of Itmes	Unit	No	L(m)	B(m)	D(m)	Qty	Rate	Amount in Rs
							711.64	7070.20	5,031,461.87
	Basic Rate	6670.00							
	Area Weightage @ 6 %	400.20							
	Total Rate	7070.20							
12	KSRRB M2200-6. Providing **T.M.T.** steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 **TMT Bars Fe 550**(P-229/28.8.3) PWD SR 2018-19								
		Tn							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						19.34		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						21.58		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						3.22		
							44.13	72940.72	3,219,190.17
	Basic Rate	68812.00							
	Area Weightage @ 6 %	4128.72							
	Total Rate	72940.72							
13	Providing & laying **precast drain cover slab of 100 mm** thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(0.9 x 0.60 x 0.1)Data rate								
		Sqm							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						669.60		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						1009.80		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						894.00		
							2573.40	2337.00	6,014,035.80
	Data Rate	2337.00							
14	Providing & laying **precast drain cover slab of 150 mm** thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(2.0 x 0.60 x 0.15)Data rate								
		Sqm							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						0.00		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						0.00		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						525.60		

ABSTRACT ESTIMATE

SL. No	Description of Itmes	Unit	No	L(m)	B(m)	D(m)	Qty	Rate	Amount in Rs
							525.60	2988.00	1,570,492.80
	Data Rate	2988.00							
15	Providing & laying **precast drain cover slab of 250 mm** thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.60 x 0.25)Data rate								
		Sqm							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						87.48		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						7.32		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						0.00		
							94.80	5418.00	513,626.40
	Data Rate	5418.00							
16	Providing and fixing pre cast solid cement concrete **kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)								
		No's							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						1654.00		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						2493.00		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						1613.07		
							5760.07	432.48	2,491,113.63
	Basic Rate	408.00							
	Area Weightage @ 6 %	24.48							
	Total Rate	432.48							
17	KSRRB 800-1. Painting **two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Page No. 180/ Item No. 24.1/ PWD SR 2018-19								
		Sqm							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						223.20		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						336.60		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						217.76		
							777.56	84.80	65,937.43
	Basic Rate	80.00							

ABSTRACT ESTIMATE

SL. No	Description of Itmes	Unit	No	L(m)	B(m)	D(m)	Qty	Rate	Amount in Rs
	Area Weightage @ 6 %	4.80							
	Total Rate	84.80							
	ASPHALT ROAD								
18	KSRRB M300-14. **Excavation for roadwork** in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301(pg no-143,S.Lno-19.14)KPWD S.R 2018-19								
		Cum							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						4903.61		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						2818.10		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						1000.34		
							8722.05	65.17	568,405.21
	Basic Rate	41.00							
	Add for Lead of earth (1.28 Tonne/ Cum) 8km	20.48							
	Area Weightage @ 6 %	3.69							
	Total Rate	65.17							
19	KSRRB 300-58. **Compaction of original ground** with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 (I No-19.64,P No-147)								
		Sqm							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						9807.21		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						5636.20		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						558.00		
							16001.41	6.36	101,768.97
	Basic Rate	6.00							
	Area Weightage @ 6 %	0.36							
	Total Rate	6.36							
20	Construction of **granular sub-base** Grading-V as sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specifications. Clause 401 of MORTH V Revision. Page No. 153/ Item No. 20.5/ PWD SR 2018-19								
		Cum							

ABSTRACT ESTIMATE

SL. No	Description of Itmes	Unit	No	L(m)	B(m)	D(m)	Qty	Rate	Amount in Rs
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						1471.08		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						845.43		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						249.32		
							2565.84	1994.92	5,118,636.56
	Basic Rate	1882.00							
	Area Weightage @ 6 %	112.92							
	Total Rate	1994.92							
21	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 Page No. 155/ Item No. 20.18/ PWD SR 2018-19								
		Cum							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						2255.66		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						1296.33		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						305.02		
							3857.00	2001.28	7,718,939.16
	Basic Rate	1888.00							
	Area Weightage @ 6 %	113.28							
	Total Rate	2001.28							
22	KSRRB M500-6. Providing and applying **primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 Complete with all lead and lift and as per the direction of the Engineer-in-Charge. Page No. 158/ Item No. 21.6/ PWD SR 2018-19 Issue Rates								
		Sqm							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						9807.21		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						5636.20		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						1326.16		
							16769.57	29.68	497,720.84
	Basic Rate	28.00							
	Area Weightage @ 6 %	1.68							

ABSTRACT ESTIMATE

SL. No	Description of Itmes	Unit	No	L(m)	B(m)	D(m)	Qty	Rate	Amount in Rs
	Total Rate	29.68							
23	KSRRB M500-17. Providing and laying **dense graded bituminous macadam** using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications. Clause 505 of morth V revision using 40/60 TPH capacity H.M.P. with mechanical paver Gr-II (50mm to 75mm) with 4.5% VG-30 Bitumen. Page No. 160/ Item No. 21.17.6/ PWD SR 2018-19 Issue Rates								
		Cum							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						490.36		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						281.81		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						538.77		
							1310.94	**6407.70**	**8,400,084.61**
	Basic Rate	6045.00							
	Area Weightage @ 6 %	362.70							
	Total Rate	6407.70							
24	KSRRB 500-2. **Cleaning the existing black** topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 Page No. 158/ Item No. 21.2/ PWD SR 2018-19								
		Sqm							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						9807.21		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						5636.20		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						38342.76		
							53786.17	**5.30**	**285,066.70**
	Basic Rate	5.00							
	Area Weightage @ 6 %	0.30							
	Total Rate	5.30							
25	KSRRB 500-7. Providing and applying **tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 Page No. 158/ Item No. 21.7/ PWD SR 2018-19 Issue Rates								
		Sqm							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						9807.21		

ABSTRACT ESTIMATE

SL. No	Description of Itmes	Unit	No	L(m)	B(m)	D(m)	Qty	Rate	Amount in Rs
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						5636.20		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						38342.76		
							53786.17	12.72	684,160.08
	Basic Rate	12.00							
	Area Weightage @ 6 %	0.72							
	Total Rate	12.72							
26	KSRRB M500-19. Providing and laying **bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision. -using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen (Pg:162 It.No-21.22.6 PWD SR:2018-19)Issue Rates								
		Cum							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						294.22		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						169.09		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						1528.25		
							1991.55	7355.34	14,648,535.47
	Basic Rate	6939.00							
	Area Weightage @ 6 %	416.34							
	Total Rate	7355.34							
27	KSRRB M800-13.**Road Marking** with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 Page No. 182/ Item No. 24.15 PWD SR 2018-19								
		Sqm							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						287.74		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						200.00		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						749.24		
							1236.98	454.74	562,504.29
	Basic Rate	429.00							
	Area Weightage @ 6 %	25.74							

ABSTRACT ESTIMATE

SL. No	Description of Itmes	Unit	No	L(m)	B(m)	D(m)	Qty	Rate	Amount in Rs
	Total Rate	454.74							
28	KSRRB M800 **Road markers / Road stud** KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications Page No. 186/ Item No. 24.41 PWD SR 2018-19								
		Sqm							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						0.00		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						0.00		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						506.00		
							506.00	**357.22**	**180,753.32**
	Basic Rate	337.00							
	Area Weightage @ 6 %	20.22							
	Total Rate	357.22							
29	KSRRB M600-1. Construction of **dry lean cement concrete** mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No. 601 with OPC cement @150Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with slip form paver with electronic sensor.MORTH Specification No. 803 Page No. [illegible]								
		Cum							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						0.00		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						0.00		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						161.70		
							161.70	**3800.10**	**614,476.17**
	Basic Rate	3585.00							
	Area Weightage @ 6 %	215.10							
	Total Rate	3800.10							

ABSTRACT ESTIMATE

SL. No	Description of Itmes	Unit	No	L(m)	B(m)	D(m)	Qty	Rate	Amount in Rs
30	constructing un-reinforced, plain cement Pavements using Grade M-30 over a prepared base with OPC 360 kg/cum coarse aggregate at 0.69cum, fine aggregates at 0.46cum, Coarse and fine aggregate confirming to IS:383-2016 with Superplastizer at 3lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micronthick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour, hire charges of machineries, all lead & lift charges etc., complete as per specifications.MORTH Specification No. 803 Page No. 176/ Item No. 22.6.1 PWD SR 2018-19								750.00 Lakhs
		Cum							
A	Comprehensive Development of Adithya nagara, Chikkabettahalli and surrounding areas in Attur ward no -03						0.00		
B	Comprehensive Development of Jyothi nagara, Munishamappa Layout Avikya Layout and surrounding areas in Attur ward no-03						0.00		
C	Comprehensive Development of roads and drains at Judicial Layout in Ward No-04 of Yelahanka new town sub division						162.75		
							162.75	5210.96	848,084.00
	Basic Rate	4916.00							
	Area Weightage @ 6 %	294.96							
	Total Rate	5210.96							
								Sub Total-A	62,818,923.00
								Tender Premium 5%	3,140,946.15
								GST 12%	7,538,270.76
								DPR 1%	750,000.00
								PMC 1%	750,000.00
								Miscellaneous	1,860.10
								Total	75,000,000.00

Administrative Sanction for Rs. Rupees Seven Crore Fifty lakhs only is accorded under head P0190 Works sanctioned by Mayor. Registered as CE No 81 Subject to conditions contained in enclosed No. BBMP/EE/YMAP/81/2021 17/11/2021 Executive Engineer

Technical Sanction Accord RS 750 Lakhs only Head of P0190 CER NO 60 Dt... CE (YNK)

VSR CIVIL INFRA PVT LTD BANGALORE

Consultant

Assistant Engineer

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Asst.Executive Engineer Yelahanka Sub-division

Executive Engineer Yelahanka Division